

RESURRECTION OF TECH SHOW TO BE STAGED IN 1933

**Veteran Dramatists Make Plans
For Early Rehearsals
Despite Hitches**

TO BE MUSICAL COMEDY

Unanimous in their conviction that the time was never more propitious than this year, a group of grizzled veterans of the "boards" ranging all the way from brawny "chorus girls" to muscle-bound property men, gathered in the West Lounge of Walker memorial last Saturday afternoon, and amid gay reminiscences of past hits, decided to press plans for a Tech Show of 1933, provided, of course, they receive proper backing from the student body and the Faculty.

The play this year, if produced, will be a musical comedy written by Robert M. Rossi, '33. The music was composed in part by Mr. Rossi, and what remains will probably be written by Eugene Clarke, '34, who was one of the composers of "Technicalities", the 1931 Tech Show.

Includes "Girl" Chorus

There are eight musical numbers in the play and it will also include a "girl" chorus, although details of this important function are being kept secret at present. The date of the show is still undecided, but it will probably coincide with the Junior Prom. Several theatres were discussed as possible forums, but it is likely that it will be staged in the Walker gym for at least one performance.

The matter of finances seems to be the most serious obstacle to the production of the show. Remembering the unfortunate failure of the 1931 show, the promoters of this year's

(Continued on page three)

N. E. Field Council Meeting Is Held At Camp Becket In Me.

**George E. Best, '34, Is T. C. A.'s
Representative During
Conference**

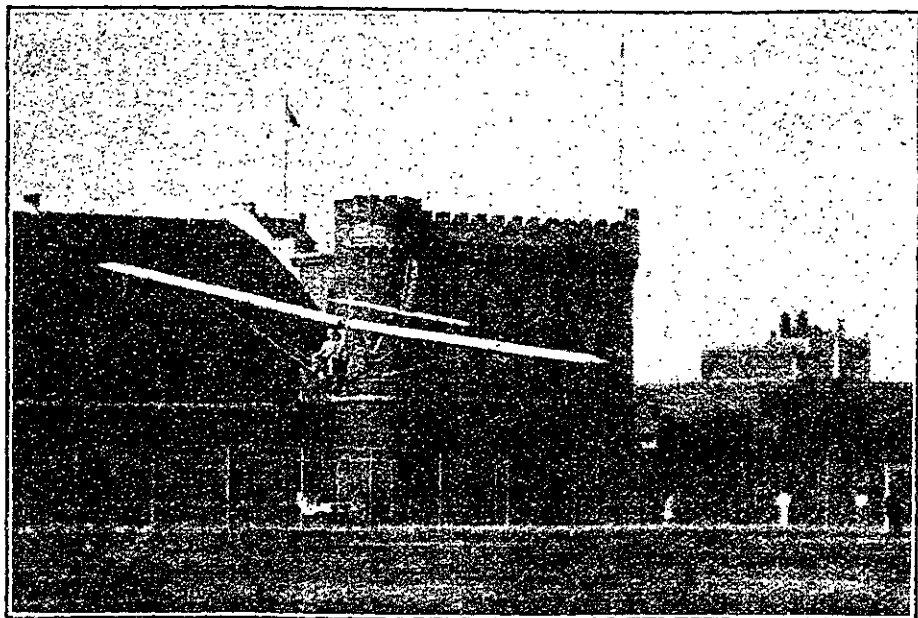
To plan the most approved work which a college Christian association can do, the N. E. Field Council, the undergraduate body in control of student organizations of the above type in New England colleges, was in conference Friday night, Saturday, and yesterday. This year's annual meeting of the council was held at Camp Becket, Becket, Maine.

George E. Best, '34, represented the Institute's T. C. A. in the council, which is made up of cabinet members from each college Christian Association in New England.

This year the meeting is being held in Camp Becket, the state Y.M.C.A. boys' camp, to find out its possibilities as a place to hold the annual Northfield Student Conference, which is held every year in June. For the past two years this conference met at the Eaglebrook School in Deerfield, Mass.

In Memoriam

THE TECH regrets to announce the deaths of the following students at the Institute during the summer vacation: A. M. Maguire, '32, of Course XIII, was killed in an auto accident July 9. T. E. Cahill, '34, a student of chemical engineering, died from blood poisoning July 25. H. R. Willey, '32, was the victim of an auto accident on July 28.



Glider Flying Above Coop Field Just Before Yesterday's Crack-up

Glider "Pancakes" From Twenty Feet During Trial Flight On Coop Field

**Sweetser, '33, Not Injured When
Glider Falls Heavily
On Sharp Bank**

During a short practice flight early yesterday afternoon, Converse W. Sweetser, '33, flying the recently constructed glider of the Aeronautical Engineering Society sustained a minor crack-up. Sweetser did well until he reached a height of about twenty feet, when the glider made a sharp bank. At the same time the tow-line was released. Not having enough speed to finish this dangerous maneuver, the glider stalled, lost speed, and pancaked heavily to the ground.

The pilot received a slight shock as he was thrown against the safety belt, but was otherwise uninjured. The glider itself took most of the shock of landing on the rudder bar, which projects slightly over the front skid. The bar was bent out of shape, and a wing strut on the right side of the craft was also twisted, but no damages were sustained which will seriously impair the flying of the machine after it is repaired.

So far the Society has had extremely good luck on crack-ups. The most serious injury suffered by any member of the club since its birth about fifteen years ago was a half-minute knockout.

The glider flown yesterday was constructed entirely by undergraduates of the Aeronautical Engineering Society, most of the work being done by George P. Bentley, '33, the president. The wings of the machine were taken from a Curtis Robin.

15 NEW MEN ATTEND T. E. N. MASS MEETING

**Freshmen Urged to Register in
Publications Course**

About fifteen freshmen were present at the T. E. N. smoker which was held in the grill room of Walker Memorial last Friday at five o'clock, where the work of the various departments of the publication was explained to the new men.

The principal speaker, Mr. Frederick G. Fassett of the English Department, spoke of the advantages that are derived from publications activities. He urged that all freshman candidates register for the publications section of E 11 as soon as possible in order that they be better fitted for work on the T. E. N.

Wilbur B. Huston, '33, General Manager of the publication, stated that it was gratifying to see so many candidates present at the beginning of the term. Other members of the staff who spoke at the meeting were, Donald G. Fink, '33, editor-in-chief, and Charles E. Buchanan, '33, business manager.

Deep Mystery of Shots In Runkle Dorm Solved

The mystery of the nocturnal reports heard the past few nights by residents of Runkle was solved by the cautious snooping of a special investigator of THE TECH. It seems that the playful boys on the top floor have some torpedoes saved from the last "Glorious Fourth," and each eve one or two are accidentally dropped on the floor. And the same snooper reports that the Field Day meet should include wrestling. A bout was being staged by the fireworks boys, with a Sophomore and a freshman about evenly matched. This seems to preclude that here is a sport at which the Sophomores might have at least a slim chance of defeating the freshmen.

Professor W. P. Ryan Invited To Speak At Year Book Meeting

**Mass Meeting Will Be Held In
Walker Memorial On
Wednesday**

Professor William P. Ryan will be the principal speaker at the mass meeting of Technique to be held next Wednesday at five o'clock in the grill room of Walker Memorial. Members of the senior board will explain their departments, namely, business, literary, and photographic. Refreshments will be served. All freshmen interested in this activity should attend this smoker.

Freshmen are eligible to staff positions in February, and their standing is determined on the merit of their work. Elections to the associate board are made in the Sophomore year and to the managing board in the senior year.

The Technique ever since its beginning in 1885 has been one of the leading student activities. A permanent record of undergraduate life at Technology, it offers an excellent opportunity for experience in writing, business, practice, engraving, and photography. During the 47 years of its development, it has grown from an unpretentious volume to a large, complete, beautifully-bound book. With the substitution of Field Day for football and baseball at the Institute, color work and half-tone drawings appeared in it. Later snapshots which included every phase of student life appeared.

From every angle, the Technique should offer to the wide-awake freshman a great opportunity for stimulating educational work outside his regular curriculum.

Registration Is 311 Below Last Year's Figures

**Spring Forecast Vindicated As
Freshman Registration
Drops Sixty**

There are 311 fewer students in the Institute now than there were last year at this time, according to figures compiled last Wednesday, when the entire registration had reached the total of 2,813. Enrollment will continue several weeks, however, for special classes of students.

This decrease was not a surprise to Technology officials, as it had been anticipated since early last spring. At that time a forecast was made concerning the probable registration this fall. Their predictions, up to the last reports, have proved very accurate.

The freshman enrollment, according to present figures, has reached 569, with a decrease of sixty men, while graduate students have declined from 543 to 503, or forty men. The rest of shortage, 205, is divided up among the three upper classes.

Economic Conditions Blamed

Poor economic conditions are the cause of these declines, prevalent in colleges throughout the country, according to the official report.

Many people whose resources were sufficient to get them comfortably through the last two years have been affected this year by the continuance of poor conditions and by depleted incomes. Consequently this large group is now unable to finance a college education.

Unitarian Students, Forming Unity Club, Will Choose Officers

**William H. Gysan Will Direct
the Club and Organize
Its Destinies**

Under the direction of William H. Gysan, a meeting of the Unitarian students of the Institute will be held for the purpose of naming officers for the first meeting of M. I. T. Unity Club which is being formed this year.

The Unity Club will meet in the first and third weeks of each month from 4:30 to 5:30 on the day selected in the Faculty Dining Room of Walker Memorial. All the Unitarian students at the Institute who have indicated that they are Unitarians on the T. C. A. directory cards have been sent notices of the formation of the club. The club, however, is not necessarily restricted to Unitarians.

Mr. Gysan, who will be in complete charge of the first meeting, is organizing Unitarian Unity Clubs in the various colleges of Greater Boston.

DORM FINE GOES UP FOR LEASE BREAKING

**Penalty Up To Fifty Dollars For
Dorm Deserters**

From now on the Institute will get a heavy bonus from men who desert the dorms for fraternities, in the form of a fifty-dollar fine plus rental. Up until Saturday noon the price of this privilege was only ten dollars in fines, but now the lease breakers must dig down and pay the piper. Ten-dollar souvenirs were recorded in great abundance last week as pledges folded up their tents and passed over the river or up the Drive.

The Bursar's office revealed another interesting fact in that \$350 has been paid for tardy registration this term, at the rate of five dollars a slip-up. Over \$200 more is expected from the same source next term, if figures from previous years are taken as an indication.

PROFESSOR ROGERS TO BE SPEAKER AT ALL TECH SMOKER

**Turkey Dinner Will Be Served
To All New Men Attending
Annual Smoker**

OTHER SPEAKERS LISTED

Professor Robert E. Rogers of the Department of English will be the principal speaker at the All-Technology Smoker next Friday evening. The smoker, which is an annual affair, is held as a means of acquainting the new men with the Institute in an informal manner, and all freshmen and transfers are cordially invited to attend. A free turkey dinner will be served to all men present.

In addition to Professor Rogers, several other prominent Institute men will address the gathering. Doctor Allan W. Rowe, '01, secretary of the Advisory Council on athletics, will speak on athletics at the Institute, and Professor William C. Greene will speak for the Musical Clubs and Dramashop. Professor Green in the past also spoke on Tech Show and there is some speculation as to whether or not he will render some opinion on the action of several old Tech Show men who recently announced an attempt to revive the activity.

Billings Speaks on Publications

A. W. K. Billings will speak on Technology publications and will probably go into some detail concerning

(Continued on page three)

Hoyen Will Hail Candidates For Combined Clubs

**Strenuous Year Planned For
Musical Clubs; Sunday
Concerts Resumed**

After a successful summer in Vienna, studying under a conducting scholarship with Clemens Krauss and other notables of the world of music, George Hoyen, of the New England Conservatory of Music, is returning to coach the Instrumental Club. Mr. Hoyen will be introduced to the freshman candidates at a mass meeting of the Musical clubs today at 5 o'clock, in Room 10-250, at which Mr. Hoyen and other prominent members of the Combined Musical Clubs will outline the program of the clubs for the coming term. William West, who has been associated with the clubs for years, and plans to continue his work here next year, will also address the candidates.

Plan Active Year

At the meeting today, the candidates will be introduced to the Senior members of the combined clubs, and will have an opportunity to acquaint themselves with the divisions of the club, its aims and prospects. The program for next term, which will be announced, is a strenuous one. It includes a large Christmas concert and a concert in the Spring, besides a musicale at the Franklin Square girl's dormitory early in November, and three Sunday recitals in Walker Memorial.

THE TECH Will Publish Fraternity Pledge List

Pledge lists for all fraternities will be published in the Wednesday issue of THE TECH. Fraternities are advised that it is necessary to have all lists in THE TECH office in the basement of Walker Memorial by 6 o'clock Tuesday evening.

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OFFICES OF THE TECH

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WHAT'S ALIVE?

PASSING practically unnoticed in the report of the first meeting of the Institute Committee was the approval of the request of the Beaver Key Society that it be given an active part in the conduct of Field Day. This request on the part of the group of Juniors whose chief activity is extending the hospitality of the Institute to visiting athletic teams and making their stays in Cambridge more pleasant indicates that the body is alive and willing to lend aid in fields outside that for which it was specifically formed.

An organization which never does anything soon becomes a dead organization. Witness the deceased Calumet Club. An active organization becomes and remains a live organization. The Beaver Key Society shows that it is alive, and by taking part in the administration of Field Day it will not only continue its own active existence but render a real service to the manager of Field Day by assuming some of the duties and responsibilities connected with the conduct of the annual affair. The group should be commended for its volunteer of service.

POSSIBLE DANGER

THE report of the Saturday meeting of those interested in a possible revival of Tech Show this year indicates that there are some at the Institute who are enthusiastic about the project, even to the extent of contributing to a fund with which to begin operations. Whether these few will be able to interest enough men to make the production of a show possible remains to be seen.

Unless the group is able to enlist the hearty cooperation of a fairly large number, it is a futile and useless gesture for it to attempt the production of a musical comedy. There is an enormous amount of work connected with the staging of any dramatic production. A few men cannot possibly do the work, as some of the group may have learned when they were heavily burdened with the responsibilities of conducting "Technicalities" in March 1931. To carry on a show successfully there must be a relatively large number of men to share the work. To conduct a show this year a large number of men must be interested, for the group of enthusiasts is now quite small.

If enough interest can be aroused within a short time, we should have a Tech Show this spring, preferably, as the group suggests, at the time of the Junior Prom when it will help to fill a week-end when Technology men are entertaining guests. If enthusiasm for the production cannot be aroused, the project should be dropped at once before a small group undertakes more than it can possibly handle.

ALL-TECHNOLOGY SMOKER

OUT of the six hundred new men at the Institute this fall, only two hundred were able to enjoy the privileges of freshman camp. To those who were unable to make the trip to Camp Massapoag, and to the transfer students the All-Technology Smoker is a necessity. For the others, it affords an opportunity of getting better acquainted with Technology traditions, the Faculty and the Activities.

The Smoker Committee, under the direction of Edward L. Wemple, '33, has arranged for four prominent Professors and Alumni to speak. Robert E. Rogers, an English Professor at the Institute, will amuse the assemblage. Dr. Allan W. Rowe, '01, will present the Athletic advantages at Technology. William C. Greene will speak in favor of the Combined Musical clubs and the Drama Shop, while the publications will have as their champion A. W. K. Billings.

It is hardly necessary to stress the need for some broadening influence in the undergraduate life. That point has already been stressed and repeatedly proven. The activities and sports are an institution come to the Smoker and become more fully acquainted with their personnel and function. Ah then it means a free turkey dinner.



It is with great relish that the Lounger brings more of the trials and tribulations of the aging rushing season to his dear, dear readers.

The particular lad in question received the usual line with blank and ever blander mien. His interests, it was plainly to be seen, were all classical. At least he thought rather obviously of the more serious side of life.

However, the rush went merrily onward. All in the valley of hoovey, were the six hundred. But the time was coming. Finally, one worthy brother interrupted the table to talk to inform the unfortunate one, that "All the boys eat in the house." Whereupon the future Edison looked puzzled, glanced here and there, and then made answer. "What House?" said he.

Now wait a minute, wait a minute, that isn't all. The best is yet to come. The pride of the house, the polished butler of twenty years' service, was making the rounds with his specialty, a salad dressing, the manufacture of which he is maestro past-pluperfectibilissimus.

He presented the little bowl to our Man of Serious Thought and Higher Intellect, just when that worthy was in the midst of a discourse of why he was going out for the T.E.N. and not the Voo Doo, on account of the Voo Doo was too trivial for use in future life.

The rushee stopped the flow of words momentarily, regarded the dainty salver blankly, and then ventured, — "What is it? Gravy?" Oh boy, did he panick 'em? What a wow! Just ask me, did he panick 'em!

It has come to our notice, as the official sink and drain for M.I.T. gossip, that Mr. Ed Wemple, chairman of the All-Technology Smoker, has made an important omission in the list of ushers for that stupid function. The editorial board should really institute a department of Taste and Manners for this institution's dignitaries of the student body, such as they are.

Unfortunately, we are forced to say that this places the right hon. Mr. Wemple on a par with the Institute Committee. Or perhaps you only care for ice scathing?

While we are on the subject of the Institute Committee, that mighty and omniscient organ of Tech student law and order, the Lounger would like to know more of the official status of that former might mogul, Carol Wilson.

Haven't you heard? Rumor brings us that Carol is the trusty right hand advisor to Our President Compton. In fact no less authority than the "Technology Review" confirms the statement. However, he is just Asst. President Wilson to the boys, in spite of the comedown from his former position.

Drama Shop Meeting

Everyone is cordially invited to attend the first meeting of the Drama-shop, to be held at 5 o'clock, Thursday, October 6, in Room 2-176. Positions are open in both the managerial department and the cast of the first play to be presented, "The Pigeon," by John Galsworthy.

Curtis Robin Added To Meteorology Equipment of Institute At Airport

Glass Enclosed Section, New Instruments, Salient Features

Flight tests at high altitudes are being made at the East Boston Airport in an airplane specially adapted for scientific research by members of the staff of the division of meteorology of the Institute.

This plane, a Curtiss Robin powered with a 165-horsepower Challenger engine, is larger than the ship used by Technology in meteorological studies during the past year. Its cabin has been transformed into a compact laboratory, which includes numerous instruments for making records of temperature, humidity and atmospheric pressure. The unique feature of the ship is that one section near the pilot's seat is completely enclosed in glass, giving virtually unobstructed vision in every direction. A specially designed hatch in the top of the fuselage just behind the pilot will permit an observer to stand up for unobstructed vision above the ship.

Flights Last All Winter

Last winter and during the spring daily flights to a height of 15,000 feet were carried out and much valuable data on atmospheric conditions were gathered. With the new and larger plane, to which has been added new devices for research, daily flights to a height of nearly five miles above new England are planned.

The new research ship is a monoplane with yellow wings and grey fuselage. Its rudder bears a checker-board design in cardinal and grey, the Technology colors, which will aid in its identity by ground observers, and the letters M. I. T. are painted on the right wing.

All Known Instruments Carried

The ship carries every instrument of navigation known to aviation. The various operating instruments are mounted on one panel, while on another specially designed shock-absorbing panel are mounted the compass, artificial horizon, directional gyro, and the turn and bank indicator. The

latter is operated through what is known as a venturi tube, and to avoid formation of ice, which would close this tube, it has been fixed to the engine exhaust pipe and a current of warm air flows about it at all times. The artificial horizon and directional gyro are driven by a new type of pump fixed on the outside of the ship and operated by a single blade propeller.

The ship carries two speed indicators, one which operates by pressure, while the other is a cup anemometer, which is not easily affected by ice. An unusually large thermometer is fixed outside the ship so that the pilot may note temperature changes and watch the effects on his navigation instruments at all times.

Has Complete Radio Equipment

The radio equipment occupies a place near the top of the fuselage to the right of the pilot's seat. Other instruments are mounted beneath the wings of the ship. Two of these, technically known as meteorographs, automatically record variations in temperature, the moisture content of the atmosphere, and barometric pressure during the flight. This record appears as a thin line traced on a sheet of smoked aluminum foil fastened to a revolving drum. By an ingenious control in the cabin the research pilot or an observer may make special marks on this record indicating the height of clouds through which they fly, and other observations

(Continued on page three)

FRESHMEN ATTENTION!

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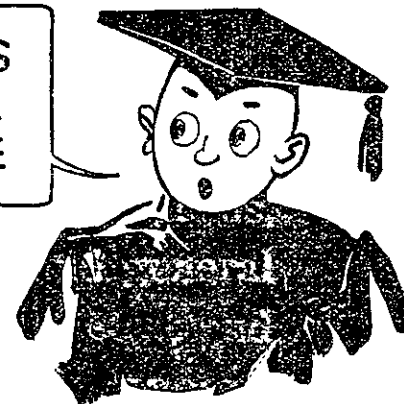
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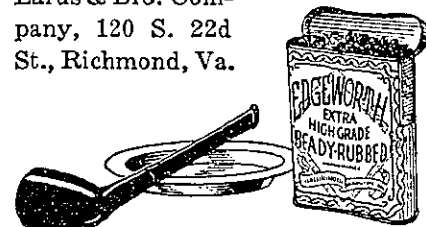


POOOR BILL BONER—he just can't think straight. He thinks a person is safe from contagious disease if he is intoxicated!

But no college man ever pulls boners with a good pipe between his teeth. There's something about a pipe and tobacco that soothes a man, helps him think straight. That is, of course, if he uses the right tobacco. A recent investigation showed Edgeworth to be the favorite tobacco at 42 out of 54 leading colleges.

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VARSITY HARRIERS WORK ON HARVARD COURSE SATURDAY

Start Earnest Preparation For
Meet Against Crimson
and Dartmouth

Technology's varsity cross-country squad will work out over the Harvard course this Saturday afternoon, in preparation for the season's first meet. The hill-and-dalers' initial test is a triangular meet with Harvard and Dartmouth to be run over the Crimson team's course on October 15, two weeks from last Saturday.

Six lettermen and three members of last year's freshman team will form the nucleus of Coach Oscar Hedlund's squad. Captain John Barrett, Bob Mann, Paul Gerhard, John Smith, Charley Hall, and Rees Schwarz are the men with previous varsity experience, while Clark Nichols, John Talbert, and Bill Root are the additions from last year's freshmen. Holby and Chalmers, the two stars of that team, failed to return to school this fall.

Many Freshmen Turn Out

Several men with high or preparatory school experience have already reported at the track house as candidates for this fall's yearling squad, causing Coach Hedlund to feel rather optimistic. The list includes W. T. Royce, from Huntington School; W. K. Fitch, Willbraham Academy; R. Hitchcock, Belmont High; M. Gilman, Hartford High; A. J. Rocque, Lexington High; and J. T. Stewart. The 1936 harriers begin their schedule on the same date as the varsity, October 15, so that the Coach asked all prospective candidates to report as soon as possible.

Freshmen may also substitute track or cross-country work for the Physical Training course required by the schedule. In past years this sport has always proved to be most popular with the first-year men, attracting the greatest number of candidates. Freshmen wishing to take advantage of this opportunity must sign up in the Physical Training office, on the third floor of Walker Memorial, before Saturday, October 21.

RESURRECTION OF TECH SHOW IN '33

(Continued from page one)

Show are resolved that no money will be borrowed and no contracts will be entered into unless they are absolutely sure they can be fulfilled. Such a course makes it necessary that all expenditures be kept to a minimum.

As the Show this year is practically starting "from scratch", it means that the promoters of the show will have to pay most of the first expenses themselves. All the committee members have volunteered to contribute to a fund of \$150, which is expected to last until the show is on its feet.

Show Needs Talent Lack of Talent

The other obstacle to the starting of rehearsals is the lack of talent. In former years, this has come largely from the Freshman class, but last year the show was relegated to the second-class activities and since then it has been difficult to arouse interest in it. However, with the show back on its feet, and a nucleus of Senior and Junior promoters to shoulder the burdens, there is expected to be a show of interest among the first year men as soon as rehearsals start. This will clear the way for final adjustments, costuming, and finally the show itself.

At the meeting Saturday, Malvin J. Mayer, '33, was appointed general manager and in charge of production. Committeemen in charge of various branches of the show are: Paul Lappé, '34, publicity; Robert Swain, '33, production; Robert Rossi, '33, business manager; Harold Bellinson, '34, finances; and Irving Kusnitz, '34, company manager.

The executive committee of the T. C. A. will meet for the first time this term in the back room of that organization's offices at 5:00 P. M., tomorrow afternoon.

Cabin Plane Now Makes Daily Trips To Upper Stratta

Meteorology Department Uses
Modern Instruments
In Research

(Continued from page two)

such as snow or the formation of ice. The research already begun and to be continued this winter includes observation of cloud formation and the motion of air currents in the strata of turbulence encountered up to a few thousand feet above the earth's surface. These research flights make possible studies which are expected to give meteorologists a better understanding of the vertical structure of the atmosphere, which may be visualized as existing in layers of various characteristics for miles above the land.

Co-operate With Course VII

Further studies of unusual interest are to be carried out in cooperation with members of the staff of the department of biology and public health at Technology. This work concerns the existence of insects, bacteria and the spores of fungus plant diseases in the upper levels of the atmosphere. Preliminary studies revealed that some bacteria and molds are to be found at altitudes as high as 15,000 feet above the earth, their natural habitat. A gypsy moth was captured 3000 feet above the forests of southeastern New England during a flight in cooperation with scientists who are studying gypsy moth control.

This research program is being carried out under the direction of Professor C. G. A. Rossby, head of the division of meteorology at Technology. In direct charge of the studies is Dr. K. O. Lange, noted internationally for his contributions to knowledge of the behavior of air currents. He is particularly well-known for his meteorological work in connection with soaring and gliding flight in Germany, and this summer gave valuable assistance during the American glider flights near Elmira, N. Y. Professor Daniel C. Sayre is research pilot and will make flights five days a week, while Lieutenant H. Harris, relief pilot, will fly on Saturdays and Sundays.

All regular flights will be made early in the morning. Observations gathered during each flight are immediately recorded, and from this data various computations are made. During flights last year surprising differences in temperature were observed. From a comparatively moderate ground temperature the plane frequently climbed into atmosphere where readings as low as 40 degrees below zero were recorded.

CALL FOR FIELD DAY TEAM COACHES ISSUED

Plans for Field Day are rapidly taking form under the direction of William Sample, Jr., '34. The contest will take place on October 28, a week earlier than usual. In view of this irregularity, preparations are being rushed somewhat. In order to get away to as early a start as possible, Mr. Sample requests that all persons wishing to volunteer their services as coaches or managers should report to him tonight at 5:00 o'clock in the track house. Candidates for the respective teams are also asked to report as soon as possible.

T. C. A. Not To Blame

The Technology Christian Association objects to being blamed for the mistake in their handbook on the date of the Field Day. The Calendar Committee gave the date to the Christian Association as November 4th; whereas the correct date is just one week earlier, October 28th, according to E. A. Hungerford.

Freshman Crew

All freshmen intending to enter the competition for manager of freshman crew are urged to report at the boat house today or not later than tomorrow after 4 P. M.

FACULTY RECEPTION GIVEN BY COMPTONS

Institute President and Wife
Open Social Season

President and Mrs. Karl T. Compton opened the academic social season by giving a reception and tea for the Faculty last Saturday afternoon from four o'clock to half-past six. This affair afforded a chance for the members of the teaching staff to get acquainted with the new professors and also to renew last year's friendships.

In the receiving line were President and Mrs. Compton, Vice President and Mrs. Vannevar Bush, Dr. and Mrs. Harry M. Goodwin, Dean of Graduate Students, Dr. and Mrs. Samuel C. Prescott, Dean of Science, Professor and Mrs. William Emerson, Dean of Architecture, and Mrs. Kathryn M. Wiswall, mother of the Dean of Students, Harold E. Lobdell.

This was the first time this year that the Deans of Science, Engineering, and Architecture, had appeared together at a social affair.

PROFESSOR ROGERS WILL ADDRESS TECH SMOKER

(Continued from page one)

the three major activities in this field: THE TECH, T. E. N., and Voo Doo. Professor Leicester F. Hamilton, '14, of the Department of Chemistry and also chairman of the Dormitory board, will speak on the Technology Christian Association.

Following the speeches the meeting will convene on the Gym where

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Tickets for the event, which are necessary for admission, may be obtained in the Main Lobby on Thursday and Friday. Following the dinner, however, the smoker is open to anyone and all interested are invited to attend.

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WHAT'S ALIVE?

PASSING practically unnoticed in the report of the first meeting of the Institute Committee was the approval of the request of the Beaver Key Society that it be given an active part in the conduct of Field Day. This request on the part of the group of Juniors whose chief activity is extending the hospitality of the Institute to visiting athletic teams and making their stays in Cambridge more pleasant indicates that the body is alive and willing to lend aid in fields outside that for which it was specifically formed.

An organization which never does anything soon becomes a dead organization. Witness the deceased Calumet Club. An active organization becomes and remains a live organization. The Beaver Key Society shows that it is alive, and by taking part in the administration of Field Day it will not only continue its own active existence but render a real service to the manager of Field Day by assuming some of the duties and responsibilities connected with the conduct of the annual affair. The group should be commended for its volunteer of service.

POSSIBLE DANGER

THE report of the Saturday meeting of those interested in a possible revival of Tech Show this year indicates that there are some at the Institute who are enthusiastic about the project, even to the extent of contributing to a fund with which to begin operations. Whether these few will be able to interest enough men to make the production of a show possible remains to be seen.

Unless the group is able to enlist the hearty cooperation of a fairly large number, it is a futile and useless gesture for it to attempt the production of a musical comedy. There is an enormous amount of work connected with the staging of any dramatic production. A few men cannot possibly do the work, as some of the group may have learned when they were heavily burdened with the responsibilities of conducting "Technicalities" in March 1931. To carry on a show successfully there must be a relatively large number of men to share the work. To conduct a show this year a large number of men must be interested, for the group of enthusiasts is now quite small.

If enough interest can be aroused within a short time, we should have a Tech Show this spring, preferably, as the group suggests, at the time of the Junior Prom when it will help to fill a week-end when Technology men are entertaining guests. If enthusiasm for the production cannot be aroused, the project should be dropped at once before a small group undertakes more than it can possibly handle.

ALL-TECHNOLOGY SMOKER

OUT of the six hundred new men at the Institute this fall, only two hundred were able to enjoy the privileges of freshman camp. To those who were unable to make the trip to Camp Massapoag, and to the transfer students the All-Technology Smoker is a necessity. For the others, it affords an opportunity of getting better acquainted with Technology traditions, the Faculty and the Activities.

The Smoker Committee, under the direction of Edward L. Wemple, '33, has arranged for four prominent Professors and Alumni to speak. Robert E. Rogers, an English Professor at the Institute, will amuse the assemblage. Dr. Allan W. Rowe, '01, will present the Athletic advantages at Technology. William C. Greene will speak in favor of the Combined Musical clubs and the Drama Shop, while the publications will have as their champion A. W. K. Billings.

It is hardly necessary to stress the need for some broadening influence in the undergraduate life. That point has already been stressed and repeatedly proven. The activities and sports are an institution come to the Smoker and become more fully acquainted with their personnel and function. Ah then it means a free turkey dinner.



It is with great relish that the Lounger brings more of the trials and tribulations of the aging rushing season to his dear, dear readers.

The particular lad in question received the usual line with blank and ever blanker mien. His interests, it was plainly to be seen, were all classical. At least he thought rather obviously of the more serious side of life.

However, the rush went merrily onward. All in the valley of hoovey, were the six hundred. But the time was coming. Finally, one worthy brother interrupted the table to talk to inform the unfortunate one, that "All the boys eat in the house." Whereupon the future Edison looked puzzled, glanced here and there, and then made answer. "What House?" said he.

Now wait a minute, wait a minute, that isn't all. The best is yet to come. The pride of the house, the polished butler of twenty years' service, was making the rounds with his specialty, a salad dressing, the manufacture of which he is maestro past-pluperfectibilissimus.

He presented the little bowl to our Man of Serious Thought and Higher Intellect, just when that worthy was in the midst of a discourse of why he was going out for the T.E.N. and not the Voo Doo, on account of the Voo Doo was too trivial for use in future life.

The rushee stopped the flow of words momentarily, regarded the dainty salver blankly, and then ventured, — "What is it? Gravy?" Oh boy, did he panick 'em? What a wow! Just ask me, did he panick 'em!

It has come to our notice, as the official sink and drain for M.I.T. gossip, that Mr. Ed Wemple, chairman of the All-Technology Smoker, has made an important omission in the list of ushers for that stupid function. The editorial board should really institute a department of Taste and Manners for this institution's dignitaries of the student body, such as they are.

Unfortunately, we are forced to say that this places the right hon. Mr. Wemple on a par with the Institute Committee. Or perhaps you only care for ice scathing?

While we are on the subject of the Institute Committee, that mighty and omniscient organ of Tech student law and order, the Lounger would like to know more of the official status of that former might mogul, Carol Wilson.

Haven't you heard? Rumor brings us that Carol is the trusty right hand advisor to Our President Compton. In fact no less authority than the "Technology Review" confirms the statement. However, he is just Asst. President Wilson to the boys, in spite of the comedown from his former position.

Drama Shop Meeting

Everyone is cordially invited to attend the first meeting of the Drama Shop, to be held at 5 o'clock, Thursday, October 6, in Room 2-176. Positions are open in both the managerial department and the cast of the first play to be presented, "The Pigeon," by John Galsworthy.

Curtis Robin Added To Meteorology Equipment of Institute At Airport

Glass Enclosed Section, New Instruments, Salient Features

Flight tests at high altitudes are being made at the East Boston Airport in an airplane specially adapted for scientific research by members of the staff of the division of meteorology of the Institute.

This plane, a Curtiss Robin powered with a 165-horsepower Challenger engine, is larger than the ship used by Technology in meteorological studies during the past year. Its cabin has been transformed into a compact laboratory, which includes numerous instruments for making records of temperature, humidity and atmospheric pressure. The unique feature of the ship is that one section near the pilot's seat is completely enclosed in glass, giving virtually unobstructed vision in every direction. A specially designed hatch in the top of the fuselage just behind the pilot will permit an observer to stand up for unobstructed vision above the ship.

Flights Last All Winter

Last winter and during the spring daily flights to a height of 15,000 feet were carried out and much valuable data on atmospheric conditions were gathered. With the new and larger plane, to which has been added new devices for research, daily flights to a height of nearly five miles above new England are planned.

The new research ship is a monoplane with yellow wings and grey fuselage. Its rudder bears a checker-board design in cardinal and grey, the Technology colors, which will aid in its identity by ground observers, and the letters M. I. T. are painted on the right wing.

All Known Instruments Carried

The ship carries every instrument of navigation known to aviation. The various operating instruments are mounted on one panel, while on another specially designed shock-absorbing panel are mounted the compass, artificial horizon, directional gyro, and the turn and bank indicator. The

latter is operated through what is known as a venturi tube, and to avoid formation of ice, which would close this tube, it has been fixed to the engine exhaust pipe and a current of warm air flows about it at all times. The artificial horizon and directional gyro are driven by a new type of pump fixed on the outside of the ship and operated by a single blade propeller.

The ship carries two speed indicators, one which operates by pressure, while the other is a cup anemometer, which is not easily affected by ice. An unusually large thermometer is fixed outside the ship so that the pilot may note temperature changes and watch the effects on his navigation instruments at all times.

Has Complete Radio Equipment

The radio equipment occupies a place near the top of the fuselage to the right of the pilot's seat. Other instruments are mounted beneath the wings of the ship. Two of these, technically known as meteorographs, automatically record variations in temperature, the moisture content of the atmosphere, and barometric pressure during the flight. This record appears as a thin line traced on a sheet of smoked aluminum foil fastened to a revolving drum. By an ingenious control in the cabin the research pilot or an observer may make special marks on this record indicating the height of clouds through which they fly, and other observations

(Continued on page three)

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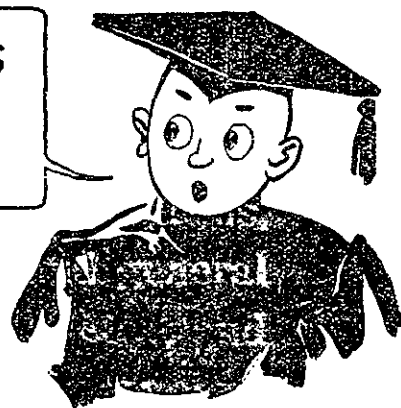
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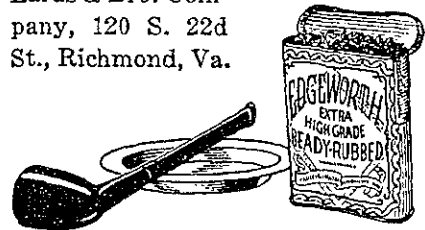


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VARSITY HARRIERS WORK ON HARVARD COURSE SATURDAY

Start Earnest Preparation For Meet Against Crimson and Dartmouth

Technology's varsity cross-country squad will work out over the Harvard course this Saturday afternoon, in preparation for the season's first meet. The hill-and-dalers' initial test is a triangular meet with Harvard and Dartmouth to be run over the Crimson team's course on October 15, two weeks from last Saturday.

Six lettermen and three members of last year's freshman team will form the nucleus of Coach Oscar Hedlund's squad. Captain John Barrett, Bob Mann, Paul Gerhard, John Smith, Charley Hall, and Rees Schwarz are the men with previous varsity experience, while Clark Nichols, John Talbert, and Bill Root are the additions from last year's freshmen. Holby and Chalmers, the two stars of that team, failed to return to school this fall.

Many Freshmen Turn Out

Several men with high or preparatory school experience have already reported at the track house as candidates for this fall's yearling squad, causing Coach Hedlund to feel rather optimistic. The list includes W. T. Royce, from Huntington School; W. K. Fitch, Willbraham Academy; R. Hitchcock, Belmont High; M. Gilman, Hartford High; A. J. Rocque, Lexington High; and J. T. Stewart. The 1932 harriers begin their schedule on the same date as the varsity, October 15, so that the Coach asked all prospective candidates to report as soon as possible.

Freshmen may also substitute track or cross-country work for the Physical Training course required by the schedule. In past years this sport has always proved to be most popular with the first-year men, attracting the greatest number of candidates. Freshmen wishing to take advantage of this opportunity must sign up in the Physical Training office, on the third floor of Walker Memorial, before Saturday, October 21.

RESURRECTION OF TECH SHOW IN '33

(Continued from page one)

show are resolved that no money will be borrowed and no contracts will be entered into unless they are absolutely sure they can be fulfilled. Such a course makes it necessary that all expenditures be kept to a minimum.

As the Show this year is practically starting "from scratch", it means that the promoters of the show will have to pay most of the first expenses themselves. All the committee members have volunteered to contribute to a fund of \$150, which is expected to last until the show is on its feet.

Show Needs Talent Lack of Talent

The other obstacle to the starting of rehearsals is the lack of talent. In former years, this has come largely from the Freshman class, but last year the show was relegated to the second-class activities and since then it has been difficult to arouse interest in it. However, with the show back on its feet, and a nucleus of Senior and Junior promoters to shoulder the burdens, there is expected to be a show of interest among the first year men as soon as rehearsals start. This will clear the way for final adjustments, costuming, and finally the show itself.

At the meeting Saturday, Malvin J. Mayer, '33, was appointed general manager and in charge of production. Committeemen in charge of various branches of the show are: Paul Lappé, '34, publicity; Robert Swain, '33, production; Robert Rossi, '33, business manager; Harold Bellinson, '34, finances; and Irving Kusnitz, '34, company manager.

The executive committee of the T. C. A. will meet for the first time this term in the back room of that organization's offices at 5:00 P. M., tomorrow afternoon.

Cabin Plane Now Makes Daily Trips To Upper Stratta

Meteorology Department Uses Modern Instruments In Research

(Continued from page two)

such as snow or the formation of ice. The research already begun and to be continued this winter includes observation of cloud formation and the motion of air currents in the strata of turbulence encountered up to a few thousand feet above the earth's surface. These research flights make possible studies which are expected to give meteorologists a better understanding of the vertical structure of the atmosphere, which may be visualized as existing in layers of various characteristics for miles above the land.

Co-operate With Course VII

Further studies of unusual interest are to be carried out in cooperation with members of the staff of the department of biology and public health at Technology. This work concerns the existence of insects, bacteria and the spores of fungus plant diseases in the upper levels of the atmosphere. Preliminary studies revealed that some bacteria and molds are to be found at altitudes as high as 15,000 feet above the earth, their natural habitat. A gypsy moth was captured 3000 feet above the forests of southeastern New England during a flight in cooperation with scientists who are studying gypsy moth control.

This research program is being carried out under the direction of Professor C. G. A. Rossby, head of the division of meteorology at Technology. In direct charge of the studies is Dr. K. O. Lange, noted internationally for his contributions to knowledge of the behavior of air currents. He is particularly well-known for his meteorological work in connection with soaring and gliding flight in Germany, and this summer gave valuable assistance during the American glider flights near Elmira, N. Y. Professor Daniel C. Sayre is research pilot and will make flights five days a week, while Lieutenant H. Harris, relief pilot, will fly on Saturdays and Sundays.

All regular flights will be made early in the morning. Observations gathered during each flight are immediately recorded, and from this data various computations are made. During flights last year surprising differences in temperature were observed. From a comparatively moderate ground temperature the plane frequently climbed into atmosphere where readings as low as 40 degrees below zero were recorded.

CALL FOR FIELD DAY TEAM COACHES ISSUED

Plans for Field Day are rapidly taking form under the direction of William Sample, Jr., '34. The contest will take place on October 28, a week earlier than usual. In view of this irregularity, preparations are being rushed somewhat. In order to get away to as early a start as possible, Mr. Sample requests that all persons wishing to volunteer their services as coaches or managers should report to him tonight at 5:00 o'clock in the track house. Candidates for the respective teams are also asked to report as soon as possible.

T. C. A. Not To Blame

The Technology Christian Association objects to being blamed for the mistake in their handbook on the date of the Field Day. The Calendar Committee gave the date to the Christian Association as November 4th; whereas the correct date is just one week earlier, October 28th, according to E. A. Hungerford.

Freshman Crew

All freshmen intending to enter the competition for manager of freshman crew are urged to report at the boat house today or not later than tomorrow after 4 P. M.

FACULTY RECEPTION GIVEN BY COMPTONS

Institute President and Wife Open Social Season

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CALENDAR

Monday, October 3
7:30 P. M. — Meeting of Dormitory Freshmen in Hangar Gym.
Tuesday, October 4
5:00 P. M. — Freshman Mass Meeting in Room 10-250.
5:00 P. M. — Banjo Club Meeting, East Lounge, Walker Memorial.
5:00 P. M. — Instrumental Club, North Hall, Walker Memorial.
Wednesday, October 5
4:30 P. M. — T. C. A. Christian Relations Committee Meeting, Faculty Dining Room, Walker Memorial.
5:00 P. M. — Sophomore Mass Meeting in Room 10-250.
5:00 P. M. — Technique Smoker, Grill, Walker Memorial.
9:00 P. M. — Voo Doo Smoker, Grill, Walker Memorial.

Radio Expert Says Television Is Not Ready For Public

Explains Shortcomings In New Issue of Technology Review

From the striking photograph on the cover, to "News From The Classes" on the last few pages, the current issue of *Technology Review* presents as finished and interesting matter as is rarely found in Institute publications.

The journal features an appraisal of television by J. Warren Horton, '14, Chief Engineer of the General Radio Co., and a former staff member of the Department of Physics. Mr. Horton feels that while television is a reality technically, it still faces the pocket-book test. He devotes most of the article to demonstrating how different forms of information, i.e. the spoken word, photographs, may be reduced to common terms for the purpose of rigorous comparison. Although the Chinese have long held that "One picture is worth a thousand words", the author of the article actually proves that a "typical 5" by 7" picture is equivalent in information content to 100 spoken words. "Looking 'Round the Corner" meets optimistic prophesy with bare fact and concludes that as it stands now, television cannot be brought into extensive use.

Recent Eclipse Discussed

J. C. Boyce, an Institute Research Associate, discusses in his timely "Eclipse — 1932 Style", what the most recent eclipse meant to science. Essentially the article is an outline of solar spectroscopy, while the author says little of actual results of observation, as most of the observers saw nothing on account of the weather, and it is too early to learn the results of the few fortunate expeditions.

Edward H. Cameron slaps the engineer on the back and tells him the depression is over and that his will be a prominent position in the prospective recovery. He is seconded by Thomas D. Perry in a concrete example, the "Need for Engineers in the Woodworking Industry". While the tone of the article is effusively optimistic, it is noticed that statistics were chosen from the period 1927-1929 "to avoid the unusual effects of present business conditions". The resulting distortion of conditions is a pleasant one, encouraging but hardly practical.

Reports on Hoover Dam

"The Trend of Affairs" reports on the seventy-five miles of welded seams at the Hoover Dam; new uses for powdered metals; stimulation of invention by the depression; the timing cameras used at the Olympics; the saving of surfaces by rubber, and a stocktaking of this month's engineering achievements.

A report from the Class of '32 proved interesting as many of the class were well known to this year's upperclassmen, and completed an excellent, professional-appearing October issue.

H. S. M.

Camp Snapshots Wanted

All men who took photographs or snapshots of any sort at Camp Massapoag last week-end are requested to bring them to the Technique office, top floor of Walker, as soon as possible. The photographic department plays a large part in the Year Book, and since it is probable that some of those pictures will go into this year's issue, it is advisable to get an early start.

CATHOLIC CLUB BALL TO BE HELD OCT. 12

Acquaintance Dance Changed to Discovery Dance

Unescorted "lonesome males" who have been in the habit of attending Catholic Club dances in large numbers, will be given their chance at the coming Discovery Dance scheduled for October 12th. This opening function of the Catholic Club, one of the few active bodies in Technology's student social organization, has been renamed from the Acquaintance Dance of former years.

Charles M. Parker, '34, has been designated to serve as chairman of the dance committee at the last regular monthly meeting of the club.

James W. Vicary '33 Announces Schedule Of Corporation XV

Plans to Include Speakers, Business Topics and Investment Work

That a definite program for the year will be presented within two weeks by Corporation XV, the Course XV Society, and will be followed by an intense membership drive in an effort to increase the active members to 150, was revealed by James W. Vicary, '33, the Corporation's president, last Saturday.

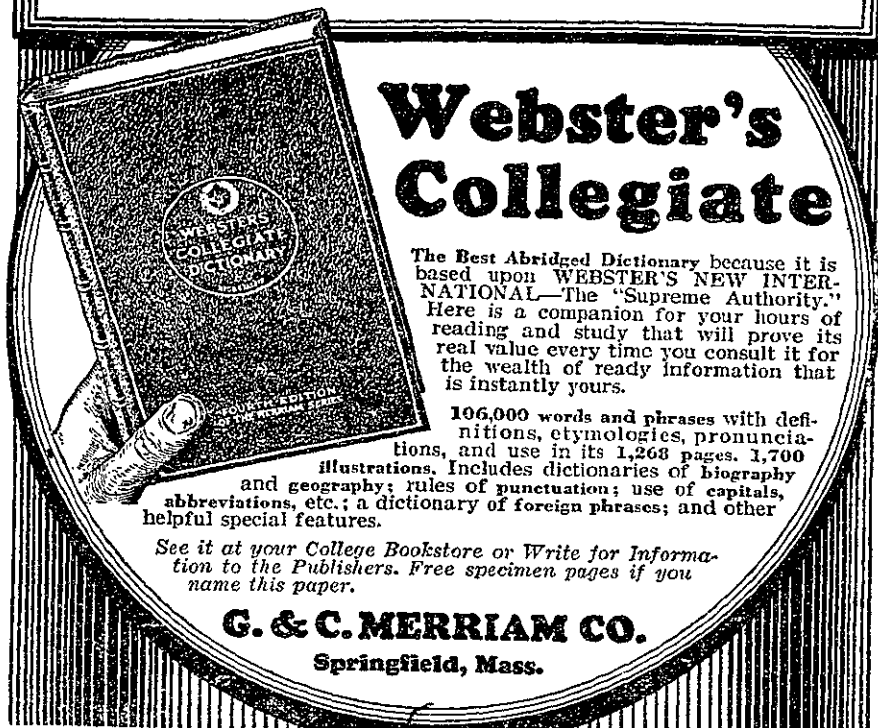
Plans for this year will include monthly speakers on business topics, and definite programs for the Stock Speculation Contest and the Mid-year Industrial Tour held under the organization's auspices.

Corporation XV is a legal corporation, incorporated under the laws of Massachusetts. Its purpose is to carry on any business of interest to its student members. Each member is a stockholder, with one share of stock in the Corporation.

Two of the more important events on the schedule are the Stock Speculation Contest and the Mid-year In-

dustrial Tour. In the Contest each member is allowed a hypothetical \$10,000 to invest for a six-month period. Twenty-five dollars in cash is awarded the member showing the most profits from his investment during the several days of the Mid-year Industrial Tour.

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WE buy the finest, the very finest tobaccos in all the world—but that does not explain why folks everywhere regard Lucky Strike as the mildest cigarette. The fact is, we never overlook the truth that "Nature in the Raw is Seldom Mild"—so

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"It's toasted"
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"If a man write a better book, preach a better sermon, or make a better mouse-trap than his neighbor, tho he build his house in the woods, the world will make a beaten path to his door."—RALPH WALDO EMERSON.
Does not this explain the world-wide acceptance and approval of Lucky Strike?